

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/011580 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number: PCT/US2004/024013
- (22) International Filing Date: 26 July 2004 (26.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/489,984 25 July 2003 (25.07.2003) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/489,984 (CIP)
Filed on 25 July 2003 (25.07.2003)
- (71) Applicant (for all designated States except US): **BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 West 7th St., Austin, TX 78701 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SIMMONS, Anthony** [—/US] (US). **CHEN, Jianmin** [—/US] (US).
- (74) Agent: **SHISHIMA, Gina, N.**; Fulbright & Jaworski, LLP, 600 Congress Avenue, Suite 2400, Austin, TX 78701 (US).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITIONS AND METHODS FOR HERPES SIMPLEX PROPHYLAXIS AND TREATMENT

(57) Abstract: The present invention concerns compositions and methods involving polypeptides, such as single chain antibodies, that target microbial antigens. Embodiments of the invention include compositions and methods related to a prophylactic and therapeutic treatments for microbes that can be neutralized prior to infection of a cell. In particular embodiments, microbes against which the present compositions and methods can be implement include those that cause sexually transmitted diseases (STD) and/or those that display on their surface an antigen that can be the target of compositions of the invention.



WO 2005/011580 A2